

COMPUTER SCIENCE

Certificates of Proficiency and Skills Certificates in Computer Science

■ Certificate of Proficiency: C++ Programming

CS 1	Introduction to Computers and Computer Technology	3
	AND	
CS 1L	Lab: Introduction to Computers and Computer Technology	2
	OR	
CS 2	Foundations of Computer Science	4
CS 11	Introduction to Programming Concepts and Methodology, C++	4
	OR	
CIS 132	Introduction to Internet Programming	4
CS 19	C++ Programming	4
MATH 154	Elementary Algebra	4
	OR	
MATH 4	Pre-Calculus and Trigonometry	5
COMM 2	or COMM 10	3
ENGL 1A	or ENGL 1AMC	3
	Total for Certificate of Proficiency	22 – 24

■ Certificate of Proficiency: Java Programming

CS 1	Introduction to Computers and Computer Technology	3
	AND	
CS 1L	Lab: Introduction to Computers and Computer Technology	2
	OR	
CS 2	Foundations of Computer Science	4
CS 12J	Introduction to Programming Concepts and Methodology, Java	4
	OR	
CIS 132	Introduction to Internet Programming	4
CS 20J	Java Programming	4
MATH 154	Elementary Algebra	4
	OR	
MATH 4	Pre-Calculus and Trigonometry	5
COMM 2	or COMM 10	3
ENGL 1A	or ENGL 1AMC	3
	Total for Certificate of Proficiency	22 – 24

■ Certificate of Proficiency: Programming

CS 19	C++ Programming	4
	OR	
CS 20J	Java Programming	4
CS 21	Introduction to Data Structures and Algorithms	4
CS 23	/MATH 23 Discrete Mathematics	4
CS 24	Elementary Computer Organization	4
CS 29	Object Oriented Programming	4
CIS 130	UNIX/Linux Shell Programming	4
CIS 131	Perl Programming in a Unix Environment	4
CIS 132	Introduction to Internet Programming	4
MATH 5A	Analytic Geometry and Calculus I	4
COMM 2	or COMM 10	3
ENGL 1A	or ENGL 1AMC	3
	Total for Certificate of Proficiency	31

■ Certificate of Proficiency: Web Programming

CS 12J	Introduction to Programming Concepts and Methodology, Java	4
	OR	
CS 20J	Java Programming	4
CIS 131	Perl Programming in a Unix Environment	4
CIS 132	Introduction to Internet Programming	4
CIS 165	Introduction to Programming Database-driven Web Sites with ASP	4
	OR	
CIS 165PH	Introduction to Programming Database-driven Web Sites with PHP	4
	OR	
CIS 165J	Introduction to Programming Database-driven Web Sites with Java	4

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MATH 154	Elementary Algebra	4
	OR	
MATH 4	Pre-Calculus and Trigonometry	5
COMM 2	or COMM 10	3
ENGL 1A	or ENGL 1AMC	3
	Total for Certificate of Proficiency	26 – 27

■ Skills Certificate: Game Programming

CS 11	Introduction to Programming Concepts and Methodology, C+	4
	OR	
CS 12J	Introduction to Programming Concepts and Methodology, Java	4
CS 20J	Java Programming	4
CIS 160GP	Game Programming in Java	4
	Total for Skills Certificate	12

■ Skills Certificate: Web Programming

CS 12J	Introduction to Programming Concepts and Methodology, Java	4
	OR	
CS 20J	Java Programming	4
CIS 131	Perl Programming in a Unix Environment	4
	OR	
CIS 132	Introduction to Internet Programming	4
CIS 165	Introduction to Programming Database-driven Web Sites with ASP	4
	OR	
CIS 165PH	Introduction to Programming Database-driven Web Sites with PHP	4
	OR	
CIS 165J	Introduction to Programming Database-driven Web Sites with Java	4
	Total for Skills Certificate	12

Who May Enroll

Cabrillo College is open to anyone 18 years of age or older, or anyone with a high school diploma or proficiency certificate. High school students also may attend classes at Cabrillo on a limited basis with the permission of their high school principals. For admission information:
<http://www.cabrillo.edu/services/webreg/>

Limited English language skills will not be a barrier to admission to and participation in occupational education programs. Students with limited English proficiency may need to develop their skills through ESL, English and Reading courses before entering programs with English prerequisites.

If you have or think that you may have a learning, psychological or physical disability and are in need of reasonable accommodations, and/or assistance with applying to this program, please contact Disabled Student Services at (831) 479-6379. Identification of disability is voluntary and will in no way jeopardize program selection. If accommodations need to be made for State and National Registry examinations, the disability must be certified.

Due to the rapid changes in job markets and to career education, please be advised that the information contained in this brochure may have been updated. Check with a counselor for current program requirements or check our website at: <http://www.cabrillo.edu/programs>
click on: Computer Science

Nondiscrimination Policy

Cabrillo Community College does not discriminate on the basis of ethnic group identification, national origin, religion, age, sex, race, color, physical or mental disability, or sexual orientation in any of its policies, procedures, or practices. This nondiscrimination policy covers admission and access to, and treatment and employment in, the college's programs and activities, including vocational education programs. Limited English language skills will not be a barrier to admission to and participation in vocational education programs.

Plan de accion no discriminatoria

Cabrillo Community College no discrimina a base de identificación con grupos étnicos, nacionalidad de origen, religión, edad, sexo, raza, color, incapacidad mental o física ni orientación sexual en ninguna de sus reglamentaciones, procedimientos o prácticas. Este plan de acción no discriminatoria incluye la admisión y el acceso a los programas y actividades, y el tratamiento y el empleo en los mismos, incluyendo la educación vocacional. Tener limitadas destrezas en el idioma inglés no constituirá una barrera para ser admitido o participar en los programas de educación vocacional.

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The logo for Cabrillo College, featuring the name 'Cabrillo College' in a stylized, cursive script font. The text is white and is set against a solid red rectangular background.